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Keywords: Privilege management infrastructure, RBAC, X.509, XML, attribute certificates, authorization, policies

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Keywords: SMIL, flexible delivery, metadata, online presentations, video

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17 Comparison of network protocol and architecture for distributed virtual simulation environment
Bu-Sung Lee, Wen-Tong Cai, Stephen J. Turner, Jit-Beng Koh
July 2001 **ACM SIGOPS Operating Systems Review**, Volume 35 Issue 3
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modified to support different protocols. The performance of two different protocols: TCP and a new Lightweight Reliable Multicast, called Pseudo Reliable ...

Keywords: DIS, FDK, HLA, RTI, RTI-Kit, fast messages, light weight reliable multicast

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C. Dianne Martin, Joseph M. Reagle, Michael Evans, Pat Shareck
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Will Tracz
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20 Invited speaker: Virtual heritage: technology in the service of culture
Alonzo C. Addison
November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**
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From the Coliseum in Rome to the verdant landscape of the Loire Valley, the world's cultural heritage has withstood the text of time. Today though, the pace of progress --- from urban sprawl to pollution, neglect, conflict, and even tourism --- threatens these landmarks of our past at an ever-increasing pace. In recent years, rapid advances in digital technologies, from 3D graphics, to multimedia, and virtual reality, have given heritage new hope: from archaeology to architecture, emerging digit ...

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Dan Decasper, Zubin Dittia, Guru Parulkar, Bernhard Plattner
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Emmanuel Frécon, Chris Greenhalgh, Mårten Stenius
December 1999 **Proceedings of the ACM symposium on Virtual reality software and technology**

Full text available: pdf(1.82 MB) Additional Information: full citation, abstract, references, citings, index terms

To allow the number of simultaneous participants and applications to grow, many Collaborative Virtual Environment (CVE) platforms are combining ideas such as loose consistency, absence of central servers and world sub-partitioning with IP multicasting. For long distance connections, most of these systems rely on the existence of the Internet multicast backbone - the MBone. However, its generality and complexity is often an obstacle to the establishment and testing of large-scale CVEs. This ...

Keywords: CVE, Dive, MBone, VR, multi-user, multicast, network architecture

17 Getting started with PGP ☐
Kevin Henry
July 2000 **Crossroads**, Volume 6 Issue 5

Full text available: html(37.59 KB) Additional Information: full citation, index terms

18 XORP: an open platform for network research ☐
Mark Handley, Orion Hodson, Eddie Kohler
January 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 1
Full text available: pdf(149.96 KB) Additional Information: full citation, abstract, references, citings, index terms

Network researchers face a significant problem when deploying software in routers, either for experimentation or for pilot deployment. Router platforms are generally not open systems, in either the open-source or the open-API sense. In this paper we discuss the problems this poses, and present an eXtensible Open Router Platform (XORP) that we are developing to address these issues. Key goals are extensibility, performance and robustness. We show that different parts of a router need to prioritiz ...

19 The NASA Digital Earth Testbed ☐
Jeff de La Beaujardière, Horace Mitchell, Robert Raskin, Ananth Rao
November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems**
Full text available: pdf(767.19 KB) Additional Information: full citation, abstract, index terms

The goal of Digital Earth (www.digitalearth.gov) is to create a virtual representation of our planet that enables a person to explore and interact with the vast amounts of natural and cultural information gathered about the Earth. The challenge is enormous, and a critical first step is interoperability among the servers, viewers, catalogs and middleware services in such a distributed computing network.

As part of its contribution to the public/private/academic Digital Earth (DE) partn ...

20 The CHI '95 conference electronic publication: introduction to an experiment ☐
Robert Mack, Linn Marks, Dave Collins, Keith Instone
April 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 2
Full text available: pdf(1.57 MB) Additional Information: full citation, index terms

Results 1 - 20 of 103 Result page: **1** 2 3 4 5 6 next

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Name Leslie Wong
AU 2167 Examiner # 78953
Room # 3B09 Phone 2-4120
Serial # 10/683,655

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What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Topic: Identifier for a medium

Novelty: Non-Commercial Test includes extracting All tracks fingerprint and create a medium identifier

Commercial Test includes at least two
# of track + distance calculation, A track fingerprint

STIC Searcher Geoffrey St-Leger Phone 23540
Date picked up 6/7/5 Date Completed 6/7/5

```
File 347:JAPIO Nov 1976-2005/Jan(Updated 050506)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200535
         (c) 2005  Thomson Derwent

Set      Items   Description
S1          89    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(FINGERPRINT? ? OR FINGER()PRINT? ? OR HAS-
             H??? OR SIGNATURE? ?)
S2     1847511   ALBUM? ? OR CD? ? OR DVD? ? OR DISK? ? OR DISC? ? OR MINID-
             ISK? ? OR MINIDISC? ? OR DIVX OR MEDIA OR MEDIUM OR TAPE OR T-
             APES OR LP? ? OR CASSETTE? ?
S3       20988   S2(5N)(ID OR IDS OR IDENTIFIER? ? OR IDENTIFICATION OR DES-
             CRIPTOR? ? OR DESIGNATION? ? OR CODE? ? OR REPRESENTATION? ?)
S4        4025    (NUMBER OR HOW()MANY OR AMOUNT)(3W)(TRACKS OR CLIPS OR SON-
             GS OR (AUDIO OR MUSIC)()FILE? ?)
S5        8943    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(DISTANCE? ? OR OFFSET? ? OR OFF()SET? ? OR
              LENGTH? ?)
S6       32420   S2(5N)(CHARACTERISTIC? ? OR PROPERTY OR PROPERTIES OR ATTR-
             IBUTE? ? OR FEATURE? ? OR PHYSICAL)
S7           3   S1 AND S3
S8          11   S3 AND S4 AND S5:S6
S9           0   S3 AND S4 AND S1
S10          1   S3 AND S1 AND S5:S6
S11         14   S7:S10
```

11/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

00781380 **Image available**
CONNECTING METHOD FOR MAGNETIC TAPE FOR PCM RECORDING

PUB. NO.: 56-101680 [JP 56101680 A]
PUBLISHED: August 14, 1981 (19810814)
INVENTOR(s): TAKEGAHARA TOSHIYUKI
INOUE TORU
APPLICANT(s): NIPPON HOSO KYOKAI <NHK> [000435] (A Japanese Company or Corporation), JP (Japan)
MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-003920 [JP 803920]
FILED: January 17, 1980 (19800117)
INTL CLASS: [3] G11B-027/02; G11B-005/09
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)
JOURNAL: Section: P, Section No. 87, Vol. 05, No. 173, Pg. 152, November 05, 1981 (19811105)

ABSTRACT

PURPOSE: To disperse burst errors to code words in many section, by connecting multitrack magnetic tapes for PCM signal recording by slantingly cut off a defective point at a prescribed angle.

CONSTITUTION: Section of one **code** of magnetic **tape** 100 has a length of n(sub 1) bits respectively for PCM multirecording on n(sub 2) tracks, and encoding and decoding are performed by n(sub 1) by n(sub 2) bits. Defective part 31, such as a magnetic agent breakaway, of this tape is cut off slantingly at angle .theta.' smaller than (.theta.) meeting requirements shown by formula I, and the remainders are adhered together with a splicing tape. Then, while a burst error due to a **tape** damage part is dispersed to **code** words in many sections, error corrections are securely made as the burst error of one track or several tracks in each code word, so that the excellent PCM multitrack recording magnetic tape having the defective part removed can be obtained. In formula I, (d), (h), (w), (l(sub 1)) and (t) are the connetion part width, track interval, **track** width, **track** -directional code **length** expect a synchronizing pattern, and **number** of adjacent **tracks** of error correcting performance.

11/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016503842 **Image available**
WPI Acc No: 2004-662126/200464
XRPX Acc No: N04-524226
Medium **content** identification **apparatus for use with e.g. compact disk searches content information based on** medium identifier **generated using** track fingerprint **read from recording medium**
Patent Assignee: LARONNE S A (LARO-I); SHINHAI H (SHIN-I); SONY ELECTRONICS INC (SONY)
Inventor: LARONNE S A; SHINHAI H
Number of Countries: 108 Number of Patents: 002
Patent Family:

```
Patent No       Kind   Date      Applicat No     Kind   Date      Week
WO 200477241     A2   20040910  WO 2004US4863    A     20040220  200464  B
US 20050050047   A1   20050303  US 2003449422    P     20030221  200517
                                US 2003683655    A     20031010
```

Priority Applications (No Type Date): US 2003683655 A 20031010; US 2003449422 P 20030221

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200477241 A2 E 60 G06F-000/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
US 20050050047 A1 G06F-007/00 Provisional application US 2003449422

Abstract (Basic): WO 200477241 A2

NOVELTY - A processor (104) generates a **medium identifier** from the **distance** between adjacent **tracks** on a recording medium (112), and a **track fingerprint** read from the medium. A server connected to the processor by a network interface, searches content information database from recording **medium** , using **medium identifier** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) **medium** content **identification** method;
(2) recorded **medium** storing **medium** content **identification** program;
(3) non-commercial/commercial recording medium testing method;
(4) recorded medium storing non-commercial/commercial recording medium testing method;
(5) computer data signal comprising **medium** content **identification** instructions;
(6) medium content information searching method; and
(7) recorded medium storing medium content information searching program.

USE - For identifying content in commercial/non-commercial recording medium such as compact disk (CD), digital versatile disk (DVD), minidisk, readable CD (CD-R), rewritable CD (CD-RW), CD-read only memory (CD-ROM), CD-random access memory (CD-RAM), audio CD (ACD), read only memory (ROM), random access memory (RAM), optical storage element, magnetic storage element, magneto optical storage element, flash memory and core memory devices.

ADVANTAGE - Commercial or non-commercial recording medium is identified effectively and content of recording medium is retrieved reliably.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the **medium** content **identification** system.

computer (104)
media player (110)
recording medium (112)
pp; 60 DwgNo 1/8

Title Terms: MEDIUM; CONTENT; IDENTIFY; APPARATUS; COMPACT; DISC; SEARCH; CONTENT; INFORMATION; BASED; MEDIUM; IDENTIFY; GENERATE; TRACK; FINGERPRINT; READ; RECORD; MEDIUM
Derwent Class: T01; T03; W04
International Patent Class (Main): G06F-000/00; G06F-007/00
File Segment: EPI

11/5/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015122272 **Image available**
WPI Acc No: 2003-182795/200318
XRPX Acc No: N03-143816

Piece-wise homogeneity determination algorithm for computer operating system workload management uses signature to track **data contributor**

identity
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: ARWE J E; HOLTZ J M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020165895	A1	20021107	US 2001791423	A	20010223	200318	B

Priority Applications (No Type Date): US 2001791423 A 20010223
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020165895	A1		11	G06F-009/00	

Abstract (Basic): US 20020165895 A1

NOVELTY - Data about the behavior of operating system work units is requested at intervals by a data consumer which retrieves current totals, a signature which is incremented each time the data contributor changes, and last contributor data (40) from the data provider to determine if the signature has changed (42). If it has not changed, the data is classed as homogeneous (46)

DETAILED DESCRIPTION - The data consumer determines whether the data accumulated by a data provider to a report class during a time interval is homogeneous or not, and if so, determines which service class contributed the data to the data provider.

INDEPENDENT CLAIMS are also included for
1. A system for handling information.
2. A storage **medium** encoded with machine-readable **code** .

USE - For use in IBM/z OS computer operating system software.

ADVANTAGE - The method can determine piece-wise homogeneity of data in total mode with constant cost, with no additional cost as the size of data increases, and support for arbitrary intervals and invokers.

DESCRIPTION OF DRAWING(S) - Retrieve data (40)
Change in signature (42)
Homogeneous data (46)
pp; 11 DwgNo 6/6

Title Terms: PIECE; WISE; HOMOGENEOUS; DETERMINE; ALGORITHM; COMPUTER; OPERATE; SYSTEM; MANAGEMENT; SIGNATURE; TRACK; DATA; CONTRIBUTE; IDENTIFY
Derwent Class: T01
International Patent Class (Main): G06F-009/00
File Segment: EPI

11/5/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012117220 **Image available**
WPI Acc No: 1998-534132/199846
XRPX Acc No: N98-416783
Music compact disc player holding installed music CDs and data CDs - reproduces data from selected installed CD, controls CD **reproduction to reproduce time** code **data from installed music** CD **, and to reproduce from data CD name data corresponding to reproduced time code data**
Patent Assignee: SONY ELECTRONICS INC (SONY); SONY CORP (SONY)
Inventor: PARVULESCU A; VAN RYZIN J M
Number of Countries: 027 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 872835	A2	19981021	EP 98302875	A	19980414	199846	B
JP 10326478	A	19981208	JP 98103131	A	19980414	199908	
US 5867457	A	19990202	US 97843252	A	19970414	199912	

Priority Applications (No Type Date): US 97843252 A 19970414
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes

EP 872835 A2 E 8 G11B-019/02
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI
JP 10326478 A 8 G11B-027/00
US 5867457 A G11B-017/22

Abstract (Basic): EP 872835 A

The disc player includes a holder for one or more installed music CD and one or more data CD. The former CD has music data stored on it with time code data identifying the **number** of music **tracks** and the **length** of each music **track** . The data **CD** has time **code** data and name data of the music discs.

A CD reproducing mechanism reproduces data from a selected one of the installed CDs. A controller controls the **CD** reproduction to reproduce the time **code** data from the installed music **CD** , and to reproduce from the data CD the name data corresponding to the reproduced time code data. The reproduced name data is stored.

USE - Relates to music compact disc players and to methods of programming these players.

ADVANTAGE - Player automatically identifies title and song names of each music CD installed on it.

Dwg.1/4

Title Terms: MUSIC; COMPACT; DISC; PLAY; HOLD; INSTALLATION; MUSIC; DATA; REPRODUCE; DATA; SELECT; INSTALLATION; CD; CONTROL; CD; REPRODUCE; REPRODUCE; TIME; CODE; DATA; INSTALLATION; MUSIC; CD; REPRODUCE; DATA; CD ; NAME; DATA; CORRESPOND; REPRODUCE; TIME; CODE; DATA
Derwent Class: W04
International Patent Class (Main): G11B-017/22; G11B-019/02; G11B-027/00
International Patent Class (Additional): G11B-027/10; G11B-027/30; G11B-027/32; G11B-033/02; H04N-001/23
File Segment: EPI

11/5/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011462678 **Image available**
WPI Acc No: 1997-440585/199741
XRPX Acc No: N97-366492

Disc identification **method e.g. for vehicle mounted audio appts - involves connecting** number of tracks **for every preset** distance **based on output of optical pick-up, using which, type of disc is identified**

Patent Assignee: ALPINE KK (ALPN)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9198777	A	19970731	JP 9624771	A	19960118	199741	B

Priority Applications (No Type Date): JP 9624771 A 19960118
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9198777	A		9	G11B-019/12	

Abstract (Basic): JP 9198777 A

The method involves shifting an optical pick-up (3) radially. The **number** of **tracks** lying within a preset **distance** is counted depending on the output of the optical pick-up.

Based on the counted value, a disc distinction part distinguishes the type of disc.

ADVANTAGE - Enables automatic **identification** of **disc** . Reproduces audio/video signal automatically.

Dwg.1/7

Title Terms: DISC; IDENTIFY; METHOD; VEHICLE; MOUNT; AUDIO; APPARATUS;

CONNECT; NUMBER; TRACK; PRESET; DISTANCE; BASED; OUTPUT; OPTICAL; PICK; UP; TYPE; DISC; IDENTIFY
Derwent Class: T03; W03; W04
International Patent Class (Main): G11B-019/12
File Segment: EPI

11/5/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011237135 **Image available**
WPI Acc No: 1997-215038/199720
XRPX Acc No: N97-177293

Optical disc **generating** identification **signal for type of** disc - **has one or more recording tracks formed concentric**ally or spirally on **disc to define different length marks and spaces, with some of latter being combined to form ID signal in preset radial area**

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA DENKI SANGYO KK (MATU)
Inventor: AOKI Y; FURUMIYA S; GUSHIMA T; ISHIDA T; OHARA S; TAKEMURA Y
Number of Countries: 005 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 768647	A1	19970416	EP 96116062	A	19961008	199720	B
JP 9167350	A	19970624	JP 9623565	A	19960209	199735	
US 5809007	A	19980915	US 96729748	A	19961007	199844	
EP 768647	B1	20030108	EP 96116062	A	19961008	200304	
DE 69625662	E	20030213	DE 625662	A	19961008	200320	
			EP 96116062	A	19961008		

Priority Applications (No Type Date): JP 9623565 A 19960209; JP 95261244 A 19951009
Cited Patents: 1.Jnl.Ref; DE 4114234; EP 265849; EP 469727; JP 61005488
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 768647	A1	E	27	G11B-007/007	
Designated States (Regional): DE FR GB					
JP 9167350	A		17	G11B-007/007	
US 5809007	A			G11B-007/00	
EP 768647	B1	E		G11B-007/007	
Designated States (Regional): DE FR GB					
DE 69625662	E			G11B-007/007	Based on patent EP 768647

Abstract (Basic): EP 768647 A

The optical disc has one or more recording tracks which are formed concentrically or spirally on a disc. The latter include a user area for storing user data using different length marks which vary between a maximum length Tmax and a minimum length Tmin, and different length spaces which also vary between the maximum length Tmax and the minimum length Tmin.

An ID signal area stores an ID signal using at least two marks and two spaces. The first mark and the first space both have a predetermined length selected from various lengths. The second mark and the second space also have a second selected predetermined length. The ID signal is stored in a **number** of turns of **tracks** with the same **length** marks being aligned radially.

USE/ADVANTAGE - E.g. for reproduction apparatus for audio CD, CD-ROM read-only and erasable media. Allows stable tracking control to be maintained.

Dwg.1A/15

Title Terms: OPTICAL; DISC; GENERATE; IDENTIFY; SIGNAL; TYPE; DISC; ONE; MORE; RECORD; TRACK; FORMING; CONCENTRIC; SPIRAL; DISC; DEFINE; LENGTH; MARK; SPACE; LATTER; COMBINATION; FORM; ID; SIGNAL; PRESET; RADIAL; AREA
Derwent Class: T03; W04

```
International Patent Class (Main): G11B-007/00; G11B-007/007
International Patent Class (Additional): G11B-019/02; G11B-019/12;
  G11B-020/12; G11B-023/36
File Segment: EPI


 11/5/7     (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005  Thomson Derwent. All rts. reserv.

011145983     **Image available**
WPI Acc No: 1997-123907/199712
XRPX Acc No: N97-102182
  Multichannel fixed head recording device for video signal - avails
  individual tapes produced from initial broad width tape using rotary
  knives that incorporate identifying  signature   tracks  on individual
  tapes
Patent Assignee: SONY CORP (SONY  )
Number of Countries: 001  Number of Patents: 002
Patent Family:
Patent No      Kind   Date     Applicat No    Kind   Date      Week
JP 9007102      A   19970110  JP 95150485     A   19950616  199712  B
JP 3533762      B2  20040531  JP 95150485     A   19950616  200436

Priority Applications (No Type Date): JP 95150485 A 19950616
Patent Details:
Patent No  Kind Lan Pg   Main IPC    Filing Notes
JP 9007102    A       5 G11B-005/027
JP 3533762    B2      6 G11B-005/008  Previous Publ. patent JP 9007102

Abstract (Basic): JP 9007102 A
        The multichannel fixed head recording device employs individually
    slit standard width tapes (31,32...3n) from broad width tape stock (1)
    on base drum (10). Rotary knife stack (21,22) effects the axial
    slitting. Individual tapes are split into two batches and are wound at
    two separate stations over take up rolls (41,42).
        Each batch has its own tension adjustment rolls (51,52). Prior to
    winding, each individual  tape  is provided with an  identification
    signature   track  recording through recording heads (61,62...6n)
    positioned downstream of tension adjustment rolls.
        ADVANTAGE - Affords easy recognition of individual  signature
    bearing  tracks . Facilitates reduction of  track  width.
        Dwg.1/6
Title Terms: MULTICHANNEL; FIX; HEAD; RECORD; DEVICE; VIDEO; SIGNAL;
  INDIVIDUAL; TAPE; PRODUCE; INITIAL; BROAD; WIDTH; TAPE; ROTATING; KNIFE;
  INCORPORATE; IDENTIFY; SIGNATURE; TRACK; INDIVIDUAL; TAPE
Derwent Class: T03; W04
International Patent Class (Main): G11B-005/008; G11B-005/027
International Patent Class (Additional): G11B-005/84
File Segment: EPI


 11/5/8     (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010829311     **Image available**
WPI Acc No: 1996-326263/199633
XRPX Acc No: N96-274774
  Recording and reproduction method for information recording equipment -
  involves performing offset operation after detraction of position
  confirmation sector
Patent Assignee: FUJITSU LTD (FUIT  )
Inventor: TAKAGI M
Number of Countries: 002  Number of Patents: 002
```

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8147908	A	19960607	JP 94283665	A	19941117	199633	B
US 5854715	A	19981229	US 95519569	A	19950825	199908	
			US 97942239	A	19971001		

Priority Applications (No Type Date): JP 94283665 A 19941117
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8147908	A		13	G11B-021/10	
US 5854715	A			G11B-005/09	Cont of application US 95519569

Abstract (Basic): JP 8147908 A

The method involves writing **number** of **offset tracks** in the **ID** area of the **disk** . The playback head reads this information. The position confirmation sector location is computed by counting the sector number backwards from the target sector.

The position confirmation sector is detected by the playback head. The offset operation is started after detection of the position confirmation sector. The data reproduction is started when the sector count reaches preset value.

ADVANTAGE - Reduces error probability. Prevents generation of unwanted read error. Improves 3Ns ratio.

Dwg.1/15

Title Terms: RECORD; REPRODUCE; METHOD; INFORMATION; RECORD; EQUIPMENT; PERFORMANCE; OFFSET; OPERATE; AFTER; POSITION; CONFIRM; SECTOR
Derwent Class: T03
International Patent Class (Main): G11B-005/09; G11B-021/10
File Segment: EPI

11/5/9 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010083248 **Image available**
WPI Acc No: 1994-350961/199444
XRPX Acc No: N94-275393

Recording format for digital data appts - has sync blocks including sync patterns, ID and main data each with parity bits grouped into multiple track editing units

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA ELEC IND CO LTD (MATU)
Inventor: JURI T; KAWAKAMI K; MATSUMI C; MIZUSHIMA T
Number of Countries: 007 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 624875	A2	19941117	EP 94106940	A	19940504	199444	B
EP 624875	A3	19961002	EP 94106940	A	19940504	199645	
US 5617263	A	19970401	US 94239046	A	19940506	199719	
			US 95548602	A	19951026		
KR 169343	B1	19990320	KR 949876	A	19940506	200042	
JP 3449776	B2	20030922	JP 9446229	A	19940317	200363	
EP 624875	B1	20050323	EP 94106940	A	19940504	200523	
DE 69434307	E	20050428	DE 94634307	A	19940504	200530	
			EP 94106940	A	19940504		

Priority Applications (No Type Date): JP 9446229 A 19940317; JP 93108033 A 19930510
Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 241014; GB 2168512; JP 60007644
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 624875	A2	E	24	G11B-027/30	
Designated States (Regional): DE FR GB NL					
EP 624875	A3			G11B-027/30	
US 5617263	A		21	G11B-005/09	Cont of application US 94239046

KR 169343	B1			G11B-020/02	
JP 3449776	B2		16	G11B-020/12	Previous Publ. patent JP 7029315
EP 624875	B1	E		G11B-027/30	
Designated States (Regional): DE FR GB NL					
DE 69434307	E			G11B-027/30	Based on patent EP 624875

Abstract (Basic): EP 624875 A

The digital data magnetic tape recording and reproduction appts includes groups of sync blocks. The information data (4) has a data parity pattern (5) generated and added to it. Similarly the ID data (2) has a parity section (3) added to it. The ID data includes information defining the position of the data relative to the **tape** , such as a time **code** .

A sync block (6) is formed of the sync pattern (1) and the ID and main data along with their parity data. A number of sync blocks are grouped to form a recording unit. Three or more tracks form a minimum editing unit with which recording and reproduction is carried out. Each editing unit contains repeated information data and at least one track other than those positioned on respective sides of the unit.

USE/ADVANTAGE - Digital audio-video applications. Allows linear and vertical interval time data to be recorded in main recording area rather than on separate track. Allows high speed reproduction.

Dwg.1/18

Title Terms: RECORD; FORMAT; DIGITAL; DATA; APPARATUS; SYNCHRONOUS; BLOCK; SYNCHRONOUS; PATTERN; ID; MAIN; DATA; PARITY; BIT; GROUP; MULTIPLE; TRACK ; EDIT; UNIT
Derwent Class: W04
International Patent Class (Main): G11B-005/09; G11B-020/02; G11B-020/12; G11B-027/30
International Patent Class (Additional): G11B-015/18; G11B-020/10; G11B-020/18; H04N-005/76; H04N-005/92
File Segment: EPI

11/5/10 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009611588
WPI Acc No: 1993-305136/199339
XRPX Acc No: N93-234733

Head position identification **and error handling appts. for** disc **files - has number of error handling fields on adjacent tracks located at non-overlapping circumferential positions and overlapping radial positions**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: HETZLER S R
Number of Countries: 005 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 562758	A2	19930929	EP 93302044	A	19930317	199339	B
US 5369535	A	19941129	US 92858390	A	19920325	199502	
EP 562758	A3	19931013	EP 93302044	A	19930317	199510	
SG 44407	A1	19971219	SG 96204	A	19930317	199808	

Priority Applications (No Type Date): US 92858390 A 19920325
Cited Patents: No-SR.Pub; 3.Jnl.Ref; EP 106661; EP 69549
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 562758	A2	E	9	G11B-020/12	
Designated States (Regional): DE FR GB					
US 5369535	A		8	G11B-005/596	
EP 562758	A3			G11B-020/12	
SG 44407	A1			G11B-020/12	

Abstract (Basic): EP 562758 A

The data storage disc comprises a **number** of **tracks** each comprising a number of data regions and position identification fields, and a number of error handling fields for handling errors in the position identification fields. The identification information (304) provides radial and/or circumferential orientation for the recording head.

Either or both of the ID information and the error handling information A,B,C for adjacent tracks are placed on the data storage disc at circumferentially **offset** positions to eliminate adjacent **track** interference, and at radially overlapped positions extending into the adjacent tracks to provide full readability when the head is off-track.

ADVANTAGE - Has no impact on error rate.

Dwg.3/5

Title Terms: HEAD; POSITION; IDENTIFY; ERROR; HANDLE; APPARATUS; DISC; FILE ; NUMBER; ERROR; HANDLE; FIELD; ADJACENT; TRACK; LOCATE; NON; OVERLAP; CIRCUMFERENCE; POSITION; OVERLAP; RADIAL; POSITION
Derwent Class: T03
International Patent Class (Main): G11B-005/596; G11B-020/12
International Patent Class (Additional): G11B-020/18
File Segment: EPI

11/5/11 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009580586 **Image available**
WPI Acc No: 1993-274132/199335
XRPX Acc No: N93-210504

Information erasure from magnetic tape compatible with QIC standard format tape drive - erasing one physical partition between data tracks during forward tape movement towards end-of-tape position, and other partition in backward direction, while retaining servo track position data

Patent Assignee: TANDBERG DATA AS (TAND-N); TANDBERG DATA (TAND-N)
Inventor: PAHR P O; RUBAS L
Number of Countries: 018 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 557552	A1	19930901	EP 92103289	A	19920226	199335	B
US 5394278	A	19950228	US 9323590	A	19930226	199514	
EP 557552	B1	19970416	EP 92103289	A	19920226	199720	
DE 69219105	E	19970522	DE 619105	A	19920226	199726	
			EP 92103289	A	19920226		
JP 2974102	B2	19991108	JP 9338257	A	19930226	199952	

Priority Applications (No Type Date): EP 92103289 A 19920226
Cited Patents: Jnl.Ref; EP 379324; EP 69548; JP 60109005; US 4121264; US 4131926
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 557552	A1	E	5	G11B-005/008	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE					
US 5394278	A		5	G11B-005/09	
EP 557552	B1	E	6	G11B-005/008	
Designated States (Regional): DE FR GB					
DE 69219105	E			G11B-005/008	Based on patent EP 557552
JP 2974102	B2		5	G11B-005/024	Previous Publ. patent JP 6004809

Abstract (Basic): EP 557552 A

The method involves information erasure from a magnetic **tape** , which is divided into two **physical** partitions (1,2), (1',2') each having a **number** of data **tracks** for recorded data. A **number** of servo **tracks** (3, 3') contg. position information are dedicated to an area between the data tracks.

A first **physical** partition is erased during **tape** movement in a forward direction defined by moving the tape towards the end-of-tape' position.

A second partition is erased during tape movement in a backward direction towards a beginning-of-tape and end-of-tape positions.

ADVANTAGE - Tape data erased without destroying position information on servo tracks, which minimise read-write errors. Data tracks adjacent servo tracks not fully erased.

Dwg.1/1

Title Terms: INFORMATION; ERASE; MAGNETIC; TAPE; COMPATIBLE; STANDARD; FORMAT; TAPE; DRIVE; ERASE; ONE; PHYSICAL; PARTITION; DATA; TRACK; FORWARD; TAPE; MOVEMENT; END; TAPE; POSITION; PARTITION; BACKWARD; DIRECTION; RETAIN; SERVO; TRACK; POSITION; DATA
Index Terms/Additional Words: Quarter; Inch; Cartridge
Derwent Class: T03
International Patent Class (Main): G11B-005/008; G11B-005/024; G11B-005/09
International Patent Class (Additional): G11B-005/03
File Segment: EPI

11/5/12 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009033243 **Image available**
WPI Acc No: 1992-160599/199220
XRPX Acc No: N92-120439
Disc drive memory system with media **type** identification **- permits automatic configuration for optimum data communication and performance using number of optical positioning tacks and** media **type** code
Patent Assignee: INSITE PERIPHERALS (INSI-N); INSITE PERIPHERALS INC (INSI-N)
Inventor: IVERS M L; OTIS A B; ROSE A M
Number of Countries: 008 Number of Patents: 004
Patent Family:

```
Patent No     Kind   Date     Applicat No    Kind   Date      Week
EP 484775      A   19920513  EP 91118312     A   19911028  199220  B
US 5210672     A   19930511  US 90612095     A   19901109  199320
US 5363255     A   19941108  US 90612095     A   19901109  199444
                             US 9331955      A   19930316
EP 484775      A3  19950308  EP 91118312     A   19911028  199542
```

Priority Applications (No Type Date): US 90612095 A 19901109; US 9331955 A 19930316
Cited Patents: No-SR.Pub; 6.Jnl.Ref; DE 3412454; DE 3836837; EP 97774; GB 2084379; JP 1039617; JP 59042653; JP 59094242; JP 63251924
Patent Details:

```
Patent No  Kind Lan Pg   Main IPC     Filing Notes
EP 484775     A  E   9
   Designated States (Regional): BE DE FR GB IT LU NL
US 5210672    A      6 G11B-005/82
US 5363255    A      6 G11B-005/596  Div ex application US 90612095
                                     Div ex patent US 5210672
```

Abstract (Basic): EP 484775 A

The disk drive memory (10) consists of a removable media (18) having a jacket (12) and liner material with a flat circular magnetic coating, preferably barium ferrite. Optical positioning tracks are used to identify the type of diskette. A 20 Mbyte diskette can be constructed that is compatible with 1.4 Mbyte and 720 Kbyte 3.5 inch diskettes.

The diskette has a **number** of optical positioning **tracks** on one side and a **media** type **code** with a device for accepting or rejecting the **media** . A **media** **code** is indelibly embedded and located outside the area used for concentric data tracks. The diskette also includes a synchronisation field, a data field and cyclic redundancy code.

USE/ADVANTAGE - Allows auto-configuration and optimum data communication on diskettes. Special coating formulations on diskette can be indicated to disk drive.

Dwg.1,2/4

Title Terms: DISC; DRIVE; MEMORY; SYSTEM; MEDIUM; TYPE; IDENTIFY; PERMIT; AUTOMATIC; CONFIGURATION; OPTIMUM; DATA; COMMUNICATE; PERFORMANCE; NUMBER ; OPTICAL; POSITION; TACK; MEDIUM; TYPE; CODE
Derwent Class: T03
International Patent Class (Main): G11B-005/596; G11B-005/82
International Patent Class (Additional): G11B-005/01; G11B-013/00; G11B-019/12
File Segment: EPI

11/5/13 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009015391 **Image available**
WPI Acc No: 1992-142728/199218
XRPX Acc No: N92-106807

Producing error free DAT back-up tapes - reads recorded data immediately after recording and checks data, timing and envelop to identify faulty recordings

Patent Assignee: SHARP KK (SHAF)
Inventor: KIYONAGA C; SUDOH K
Number of Countries: 003 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 482621	A	19920429	EP 91118095	A	19911023	199218	B
EP 482621	A3	19930526	EP 91118095	A	19911023	199403	
US 5339205	A	19940816	US 91779231	A	19911018	199432	
EP 482621	B1	19960605	EP 91118095	A	19911023	199627	
DE 69120016	E	19960711	DE 620016	A	19911023	199633	
			EP 91118095	A	19911023		

Priority Applications (No Type Date): JP 90286811 A 19901023
Cited Patents: No-SR.Pub; 2.Jnl.Ref; DE 3718566; JP 2128375; JP 60000673; US 4157573; US 4637023
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 482621	A	E	19		
US 5339205	A		17	G11B-005/09	
EP 482621	B1	E	19	G11B-020/18	
Designated States (Regional): DE GB					
DE 69120016	E			G11B-020/18	Based on patent EP 482621

Abstract (Basic): EP 482621 A

A magnetic recording/reproduction unit records data serially on a **number** of **tracks** of a magnetic tape (6). Each track has a number of data blocks of the same **length** and includes **track** number and synchronising data. The unit has circuits (8,11) to extract the synchronisation and track data immediately after recording, and circuits (9,10) to count and time the synchronising data.

The data read is compared (12) with the original data for each recording track and together with another circuit (13) determines whether the data has been correctly recorded.

ADVANTAGE - Provides highly accurate error detection of recording at low circuit costs.

Dwg.1/7

Title Terms: PRODUCE; ERROR; FREE; DAT; BACK; UP; TAPE; READ; RECORD; DATA;

IMMEDIATE; AFTER; RECORD; CHECK; DATA; TIME; ENVELOP; IDENTIFY; FAULT; RECORD
Index Terms/Additional Words: DIGITAL; AUDIO; TAPE; RECORDER
Derwent Class: T03; W04
International Patent Class (Main): G11B-005/09; G11B-020/18
International Patent Class (Additional): G06F-011/00
File Segment: EPI

11/5/14 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008630759 **Image available**
WPI Acc No: 1991-134789/199119
Related WPI Acc No: 1996-404216; 1999-256350; 2005-103681; 2005-216219
XRPX Acc No: N91-103565
Multilayered optical disk for data recording-reproduction - has several recording layers, each having ID section for storing address of recording layer which IDs section
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA ELEC IND CO LTD (MATU); MATSUSHITA ELEC IND KK (MATU); AZUMATANI Y (AZUM-I); FUKUSHIMA Y (FUKU-I); HAMASAKA H (HAMA-I); SATOH I (SATO-I); TAKAGI Y (TAKA-I); MATSUSHITA ELECTRIC CO LTD (MATU)
Inventor: AZUMATANI Y; FUKUSHIMA Y; HAMASAKA H; SATOH I; TAKAGI Y
Number of Countries: 005 Number of Patents: 016
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 426409	A	19910508	EP 90311831	A	19901029	199119	B
CA 2028544	A	19910501				199128	
EP 426409	A3	19920129	EP 90311831	A	19901029	199322	
US 5303225	A	19940412	US 90595422	A	19901011	199414	
US 5428597	A	19950627	US 90595422	A	19901011	199531	
			US 94180845	A	19940112		
EP 426409	B1	19970102	EP 90311831	A	19901029	199706	
DE 69029562	E	19970213	DE 90629562	A	19901029	199712	
			EP 90311831	A	19901029		
US 5764620	A	19980609	US 90595422	A	19901011	199830	
			US 94180845	A	19940112		
			US 95493929	A	19950623		
			US 96740789	A	19961101		
US 5870374	A	19990209	US 90595422	A	19901011	199913	
			US 94180845	A	19940112		
			US 95493929	A	19950623		
			US 97917995	A	19970825		
US 5883878	A	19990316	US 90595422	A	19901011	199918	
			US 94180845	A	19940112		
			US 95493929	A	19950623		
			US 96740789	A	19961101		
			US 97870348	A	19970605		
CA 2028544	C	20000418	CA 2028544	A	19901025	200036	
US 20020054562	A1	20020509	US 90595422	A	19901011	200235	
			US 94180845	A	19940112		
			US 95493929	A	19950623		
			US 97917995	A	19970825		
			US 99245196	A	19990205		
			US 200244321	A	20020110		
US 6421315	B1	20020716	US 90595422	A	19901011	200248	
			US 94180845	A	19940112		
			US 95493929	A	19950623		
			US 97917995	A	19970825		
			US 99245196	A	19990205		
US 6728195	B2	20040427	US 90595422	A	19901011	200429	
			US 94180845	A	19940112		
			US 95493929	A	19950623		

		Div ex application US 99245196
		Div ex patent US 5303225
		Div ex patent US 5428597
		Div ex patent US 5870374
		Div ex patent US 6421315
US 20040170112 A1	G11B-007/24	Div ex application US 90595422
		Div ex application US 94180845
		Div ex application US 95493929
		Div ex application US 97917995
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		Div ex patent US 5303225
		Div ex patent US 5428597
		Div ex patent US 5870374
		Div ex patent US 6421315
		Div ex patent US 6728195
US 20040170113 A1	G11B-007/24	Div ex application US 90595422
		Div ex application US 94180845
		Div ex application US 95493929
		Div ex application US 97917995
		Div ex application US 99245196
		Div ex application US 200244321
		Div ex patent US 5303225
		Div ex patent US 5428597
		Div ex patent US 5870374
		Div ex patent US 6421315
		Div ex patent US 6728195

Abstract (Basic): EP 426409 A

The disk comprises several recording layers accumulated in the thickness direction of the disk. A light beam is focused onto one of the tracks of one of the layers in order to record and reproduce data. The recording layers each have an identification section for storing an address of the recording layer to which the identifi-cation section belongs.

The tracks of two of the layers neighbouring each other in the thickness direction are shifted against each other in the radial direction by half of a track pitch. Each of the tracks on the disk comprises several sectors.

ADVANTAGE - Prevents crosstalk between neighbouring tracks and layers.

Dwg.3/10

Title Terms: MULTILAYER; OPTICAL; DISC; DATA; RECORD; REPRODUCE; RECORD; LAYER; ID; SECTION; STORAGE; ADDRESS; RECORD; LAYER; SECTION

Derwent Class: T03; W04

International Patent Class (Main): G11B-007/007; G11B-007/24

International Patent Class (Additional): G11B-007/00; G11B-023/40; G11B-023/42

File Segment: EPI

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File 348:EUROPEAN PATENTS 1978-2005/Jun W01
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050602,UT=20050526
         (c) 2005 WIPO/Univentio

Set     Items   Description
S1        466    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
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             H??? OR SIGNATURE? ?)
S2     778739   ALBUM? ? OR CD? ? OR DVD? ? OR DISK? ? OR DISC? ? OR MINID-
             ISK? ? OR MINIDISC? ? OR DIVX OR MEDIA OR MEDIUM OR TAPE OR T-
             APES OR LP? ? OR CASSETTE? ?
S3      38857   S2(5N)(ID OR IDS OR IDENTIFIER? ? OR IDENTIFICATION OR DES-
             CRIPTOR? ? OR DESIGNATION? ? OR CODE? ? OR REPRESENTATION? ?)
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S6      50219   S2(5N)(CHARACTERISTIC? ? OR PROPERTY OR PROPERTIES OR ATTR-
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S7         22   S1(50N)S3
S8         46   S3(50N)S4(50N)S5:S6
S9          1   S3(50N)S4(50N)S1
S10         4   S3(50N)S1(50N)S5:S6
S11         4   S7 AND S8:S10
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11/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01238096 **Image available**
SYSTEMS AND METHODS THAT SCHEMATIZE AUDIO/VIDEO DATA
SYSTEMES ET PROCEDES PERMETTANT DE SCHEMATISER DES DONNEES AUDIO/VIDEO
Patent Applicant/Assignee:
MICROSOFT CORPORATION, One Microsoft Way, Redmond, WA 98052, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SRINIYAS Kasy, 3007 206th Way NE, Sammamish, WA 98074, US, US (Residence), IN (Nationality), (Designated only for: US)
PLASTINA Daniel, 4409 229th Place SE, Sammamish, WA 98075, US, US (Residence), US (Nationality), (Designated only for: US)
VASCHILLO Alexander E, 10724 183rd Avenue NE #510, Redmond, WA 98052, US, US (Residence), RU (Nationality), (Designated only for: US)
BROWNELL Christopher K, 36333 NE 98th Street, Carnation, WA 98014, US, US (Residence), US (Nationality), (Designated only for: US)
TERRELL John W, 2316 208th Place, SE, Bothell, WA 98021, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
AMIN Himanshu S (et al) (agent), Amin & Turocy, LLP, 1900 E. 9th Street, 24th Floor, National City Center, Cleveland, OH 44114, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200545593 A2 20050519 (WO 0545593)
Application: WO 2004US25427 20040726 (PCT/WO US04025427)
Priority Application: US 2003692215 20031023
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 16204

Fulltext Availability:
Detailed Description
Detailed Description
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Property Name Type Nullable Default Change Content
Unit Indexed
System.Storac
Channels gt..Dedmal true False
Channels is...

...g. 5.1)
ContentlD System.Storagg.Wid I true I I I False
ContentlD is the Windows **Media** Information Service **identifier** for the **track** 's content.

Fingerprint System.Storage.BiqM true False
(2048) 1 1 1 1
DSPFingerprint is a 64-term array of...

11/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01155192 **Image available**
MEDIUM CONTENT IDENTIFICATION
IDENTIFICATION DE CONTENU DE SUPPORT
Patent Applicant/Assignee:
  SONY ELECTRONICS INC, 1 Sony Drive, Park Ridge, NJ 07656, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  LARONNE Shai A, 17 Montville Ave., Montville, NJ 07045, US, US (Residence), US (Nationality), (Designated only for: US)
  SHINHAI Hiroyuki, 2-5-1-206, Mizonokuchi, Takatsu-ku, Kawasaki-Shi, Kanagawa 213-0001, JP, JP (Residence), JP (Nationality), (Designated only for: US)
Legal Representative:
  KANANEN Ronald P (et al) (agent), Rader, Fishman & Grauer, PLLC, Suite 501, Washington, DC 20036, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200477241 A2 20040910 (WO 0477241)
  Application: WO 2004US4863 20040220 (PCT/WO US04004863)
  Priority Application: US 2003449422 20030221; US 2003683655 20031010
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12136

Fulltext Availability:
  Detailed Description
  Claims

English Abstract

In certain embodiments, methods and apparatus are presented for identifying medium content and updating database information. A **medium identifier** is created from both **track fingerprint** as well as **physical media characteristics** . The **medium identifier** is then used to query either a local or remote database of content information. A non-commercial...

...is determined to be non-commercially created or if the medium is not identified in a database, **fingerprints** for all **tracks** are extracted and an extended **medium identifier** is created to query a database for information on all tracks on the medium. This abstract is...

Detailed Description
... designed for execution on a computer system.

The Yankowski patent, incorporated herein by reference, describes several exemplary **media identification** technologies which are, for example, based on querying a **media** database using a **medium identifier** or fingerprint'.

When the **medium** is inserted into a media playing device (for example a CD
ROM or DVD-ROM drive of a personal computer), **medium** content characteristics such as number of tracks or track offsets (**track distance** from
beginning of medium) may be measured locally or read or implied from information in the **medium** TOC area. These **characteristics** can be used by a **media identification** service in a formula that generates the numeric **identifier** of the **medium** content. The numeric **identifier** can then used for searching a local database or sent for a remote database search via a...

...played-back on
portable, home, or car audio systems incorporating a decoder corresponding to the compressed file **Codec** format. Custom audio **CD** 's and user created data CD's are often one of a kind and are not available commercially for multiple users. Therefore, existing **media identification** technologies, designed to identify commercial **media** only, may not identify either custom audio or data CD's.

11/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01066614 **Image available**

METHOD AND SYSTEM FOR MEDIA

PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA

Patent Applicant/Inventor:
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FITZGERALD Edward Vincent, 100 Peach Terrace, Santa Cruz, CA 95060, US, US (Residence), US (Nationality)

Legal Representative:
GALLENSON Mavis S (et al) (agent), Ladas & Parry, 5670 Wilshire Boulevard, Suite 2100, Los Angeles, CA 90036, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200396340 A2 20031120 (WO 0396340)
Application: WO 2003US14878 20030510 (PCT/WO US03014878)
Priority Application: US 2002379979 20020510; US 2002378011 20020510; US 2002218241 20020813; US 2002235293 20020904; US 2002304390 20021125; US 2002325243 20021218; US 2003364643 20030210; US 2003451231 20030228; US 2003430843 20030505; US 2003430477 20030505

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 222812

Fulltext Availability:
Detailed Description

Detailed Description

... The consumer is being given a faulty product. In many instances, a disclaimer commonly found on current **CDs** and DVDs says that if the CD/DVD does not function, return ibe **CD** /DVD for exchange. Many users may find this intermittent functionality unacceptable and having to return CDDVD may cause the user to postpone or, more severely, cancel future **CD / DVD** purchases.

1 5

Applications are readily available'via the Internet for the express purpose of producing and...

...is Exact Audio Copy, a freeware software program freely available on the Internet which produces an exact **audio** copy in wav file format. Using Exact Audio Copy, circumventing existing protection was accomplished without modification to...

...the audio tracks. This was accomplished by loading the Exact Audio Copy onto a computer, inserting a **CD** , and pressing a button or two to copy the audio tracks.

Additionally, there are ripping applications, readily...i,$j); #just counters

```
  my ($play
  list -name); #variable to create random file name for download
  my ($ how - many
    songs ); # = total  number  of  songs  in all the dirs.
  my (@thename); #array to contain the name of the randomly selected song
  my...

...artist);
  my (Urtist);
  my ($theDate);
  #------------------------------ user ajustable parainerters
  -----------------------------
  my $max-num-songs = 3 K # set limit of  how   many   songs  to display
  my $maxdirs = 20; #set limit on number of dirs to look in
  my $mp3 dir:..
```

11/3,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01022702 **Image available**
SYSTEM AND METHOD FOR IDENTIFYING MEDIA
SYSTEME ET PROCEDE D'IDENTIFICATION DE SUPPORTS
Patent Applicant/Assignee:
  DIGEO INC, 8815 122nd Avenue NE, Kirkland, WA 98033, US, US (Residence), US (Nationality)
Inventor(s):
  NICHOLS James B, 8 Villa de Saxe, F-75007 Paris, FR,
  CRAMMOND James A, 3065 Price Court, Palo Alto, CA 94303, US,
  CLIFFORD David, 3164 Williamsburg #1, San Jose, CA 95117, US,
Legal Representative:
  MALLIE Michael J (et al) (agent), Blakely, Sokoloff, Taylor & Zafmann LLP, 12400 Wilshire Boulevard, 7th Floor, Los Angeles, CA 90025, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200352759 A1 20030626 (WO 0352759)
  Application: WO 2002US40821 20021217 (PCT/WO US0240821)
  Priority Application: US 200125248 20011217
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK
  SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4859

Fulltext Availability:
  Detailed Description
  Claims

English Abstract
A system and method for identifying CDs is described. In one embodiment, the **track offsets** stored on the CD are used to perform a database lookup. A hash function such as an MD5 **hash** may be applied to the **track offsets** to generate an identification **code** . In the event that another **CD** has the same set of **track offsets** , an extension code may be generated using one or more secondary identification techniques.

One identification technique which...

...code generated based on a spectral analysis of the audio content stored on a portion of the **CD** . The **identification code** based on the spectral analysis may be used as either a primary identification code or a secondary...

Detailed Description

... disk can also be statistically likely to uniquely identify the disk .

.

Column 6, lines 29

An additional **CD identification** technique is disclosed in Scherf, et al., U.S.

Patent No. 6,061,680 (hereinafter "Scherf"). Specifically, Scherf discloses a **CD identifier** which is directly based on a combination of the **number**0 of **tracks** on the CD and the **lengths** of each **track** . For example, a concatenation of the **lengths** of each **track** (e.g., expressed in 1/75 th of a second) may be used to generate a "hexcode" for each **CD** .

Once the **CD identification code** is generated, both Yankowski and Scherf describe using the code to perform a lookup in a ...records having the same hexcode are illustrated in Figure 1.

2

A related problem with the foregoing **CD** identification techniques is that they are not extensible. Thus, as the CD database continues to grow, new...and DVDs.

SUMMARY

A system and method for identifying CDs is described. In one embodiment, the track **offsets** stored on the CD are used to perform a database lookup. A hash function such as an IVID5 hash may be applied to the **track offsets** to generate an identification code. In the event that another CD has the same set of **track offsets** , an extension code may be generated using one or more secondary identification techniques. One identification technique which...code generated based on a spectral analysis of the audio content stored on a portion of the **CD** . The **identification code** based on the spectral analysis may be used as either a primary identification code or a secondary...

```
File   8:Ei Compendex(R) 1970-2005/May W5
         (c) 2005 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2005/May
         (c) 2005 ProQuest Info&Learning
File  65:Inside Conferences 1993-2005/Jun W1
         (c) 2005 BLDSC all rts. reserv.
File   2:INSPEC 1969-2005/May W5
         (c) 2005 Institution of Electrical Engineers
File  94:JICST-EPlus 1985-2005/Apr W3
         (c)2005 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2005/May W5
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2005/May W5
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2005/May W5
         (c) 2005 Inst for Sci Info
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/May
         (c) 2005 The HW Wilson Co.
File 266:FEDRIP 2005/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2005/Apr W4
         (c) 2005 FIZ TECHNIK
File 438:Library Lit. & Info. Science 1984-2005/May
         (c) 2005 The HW Wilson Co

Set     Items   Description
S1        321    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(FINGERPRINT? ? OR FINGER()PRINT? ? OR HAS-
             H??? OR SIGNATURE? ?)
S2    3066964   ALBUM? ? OR CD? ? OR DVD? ? OR DISK? ? OR DISC? ? OR MINID-
             ISK? ? OR MINIDISC? ? OR DIVX OR MEDIA OR MEDIUM OR TAPE OR T-
             APES OR LP? ? OR CASSETTE? ?
S3      18604   S2(5N)(ID OR IDS OR IDENTIFIER? ? OR IDENTIFICATION OR DES-
             CRIPTOR? ? OR DESIGNATION? ? OR CODE? ? OR REPRESENTATION? ?)
S4       1570    (NUMBER OR HOW()MANY OR AMOUNT)(3W)(TRACKS OR CLIPS OR SON-
             GS OR (AUDIO OR MUSIC)()FILE? ?)
S5       5600    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(DISTANCE? ? OR OFFSET? ? OR OFF()SET? ? OR
              LENGTH? ?)
S6     109746   S2(5N)(CHARACTERISTIC? ? OR PROPERTY OR PROPERTIES OR ATTR-
             IBUTE? ? OR FEATURE? ? OR PHYSICAL)
S7          0   S1 AND S3
S8          3   S3 AND S4 AND S5:S6
S9          0   S3 AND S4 AND S1
S10         0   S3 AND S1 AND S5:S6
S11         3   RD S8 (unique items)
```

11/TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Feasibility study of a high capacity 2-inch-data-disk-system.

11/TI/2 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts. reserv.

Title: PTCONVERSION-a paper tape conversion utility

11/TI/3 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

National Ambulatory Medical Care Survey, 1990. Data Tape Documentation
?

```
File 275:Gale Group Computer DB(TM) 1983-2005/Jun 06
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Jun 06
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Jun 06
         (c) 2005 The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Jun 06
         (c) 2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Jun 06
         (c)2005 The Gale Group
File 624:McGraw-Hill Publications 1985-2005/Jun 07
         (c) 2005 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2005/Jun 07
         (c) 2005 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2005/May W4
         (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/May W5
         (c) 2005 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2005/Jun 06
         (c) 2005 The Dialog Corp.
File 369:New Scientist 1994-2005/Apr W3
         (c) 2005 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2005/Jun 07
         (c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Jun 07
         (c) 2005 PR Newswire Association Inc

Set     Items   Description
S1       3397    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(FINGERPRINT? ? OR FINGER()PRINT? ? OR HAS-
             H??? OR SIGNATURE? ?)
S2    7433592   ALBUM? ? OR CD? ? OR DVD? ? OR DISK? ? OR DISC? ? OR MINID-
             ISK? ? OR MINIDISC? ? OR DIVX OR MEDIA OR MEDIUM OR TAPE OR T-
             APES OR LP? ? OR CASSETTE? ?
S3      42009   S2(5N)(ID OR IDS OR IDENTIFIER? ? OR IDENTIFICATION OR DES-
             CRIPTOR? ? OR DESIGNATION? ? OR CODE? ? OR REPRESENTATION? ?)
S4       5645    (NUMBER OR HOW()MANY OR AMOUNT)(3W)(TRACKS OR CLIPS OR SON-
             GS OR (AUDIO OR MUSIC)()FILE? ?)
S5      11322    (TRACK? ? OR CLIP? ? OR TITLE? ? OR SONG? ? OR (AUDIO OR M-
             USIC)()FILE? ?)(5N)(DISTANCE? ? OR OFFSET? ? OR OFF()SET? ? OR
              LENGTH? ?)
S6     220731   S2(5N)(CHARACTERISTIC? ? OR PROPERTY OR PROPERTIES OR ATTR-
             IBUTE? ? OR FEATURE? ? OR PHYSICAL)
S7         11   S1(50N)S3
S8          6   S3(50N)S4(50N)S5:S6
S9          0   S3(50N)S4(50N)S1
S10         2   S3(50N)S1(50N)S5:S6
S11        17   S7:S10
S12        11   RD (unique items)
```

12/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01211627 SUPPLIER NUMBER: 05230650 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software standards: the hope for tape backup. (standardization of microcomputer hard disk tape backup system software)
Gabel, David
PC Week, v4, n41, p162(3)
Oct 13, 1987
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1822 LINE COUNT: 00136

... disk drives, the width and bit density of a track are functions of the mechanical and electronic **characteristics** of the drive.
Streaming- **tape** drives, for example, will operate faster than start-stop drives because they have different motors, flywheels and...

...tape, depending on the mechanical and magnetic characteristics of the head. The speed of the tape, the **number** of **tracks** and the speed of the electronic interface determine the total capacity of the tape cartridge, which must...

...formatting decisions include the number of bytes that can be in a block of data on a **tape** and the requirements for **identification** of the block. The quarter-inch-cartridge (QIC) committees specify the physical format of the block, the...

12/3,K/2 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2005 The Gale Group. All rts. reserv.

03480739 Supplier Number: 104942744 (USE FORMAT 7 FOR FULLTEXT)
Relatable(R) to Build Databases of 5 Million Song Fingerprints From All Media Guide Extensive Music Archive; Relatable(R) Acoustic Fingerprints to be Used to Monitor Terrestrial and Internet Radio Airplay and in Other Business-to-Business Copyright Management Solutions.
PR Newswire, pNA
July 9, 2003
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 665

Under the agreement, Relatable(R) will create databases of its proprietary TRM(TM) acoustic **fingerprints** for approximately 5 million CD **track** titles from AMG's extensive archive of music CDs. The new commercial variant TRM(TM) acoustic fingerprints will map to additional music information available in AMG's databases, including metadata on track title, artist, **album** , release year and various commercial **codes** .
Relatable(R) TRM(TM) acoustic fingerprints are unique identifiers for music recordings based purely on audio information...

12/3,K/3 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2005 The Gale Group. All rts. reserv.

01030615 Supplier Number: 39937903 (USE FORMAT 7 FOR FULLTEXT)
COMPUTER INDUSTRY'S FIRST 8MM CARTRIDGE TAPE SUBSYSTEM STORES OVER 2,000 MEGABYTES OF DATA ON SINGLE CARTRIDGE
PR Newswire, pN/A
Jan 14, 1987
Language: English Record Type: Fulltext
Document Type: Newswire; Trade

Word Count: 709

... data in a series of diagonal tracks
across the surface of the tape. This allows a greater **number** of
tracks per inch of tape than older technology which writes data in
linear **tracks** along the **length** of the tape. In addition, the
Subsystem employs read and write heads mounted on a drum that...

...other systems. This reduces
stress on the media and helps insure data integrity.

The EXB-8200 Cartridge **Tape** Subsystem **features** onboard Error
Correction **Code** (ECC) and Error Recovery Procedures(ERP). The non-recoverable error rate is less than one in 10...

12/3,K/4 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09828218 Supplier Number: 87026796 (USE FORMAT 7 FOR FULLTEXT)
Words & music(TM). (Songwriters & Publishers).
Bessman, Jim
Billboard, v114, n23, p53(1)
June 8, 2002
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General
Word Count: 700

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
CALLAWAY'S SIGNATURE: Singer/songwriter Ann Hampton Callaway is out
performing tunes from her new N- **Coded** Music **album** **Signature** , which
features **songs** synonymous with the likes of Louis Armstrong, Tony
Bennett, Ella Fitzgerald, and Billie Holiday.

12/3,K/5 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09774992 Supplier Number: 85881677 (USE FORMAT 7 FOR FULLTEXT)
New releases -- for week starting 29 April 2002.
Music Week, p30(2)
April 27, 2002
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 4156

... CUTS FROM ECHO BEACH
Select Cuts
CD
EFA 33412-2
LP
EFA 33412-1 SRD Leftfield
() VARIOUS
SIGNATURE **SONGS**
Telarc
CD
CD 83554 NN/P Jazz
() VARIOUS
SIMPLY ACOUSTIC
Universal TV
CD
5848622 U Pop/Rock

() VARIOUS
STARS CAFE DANCE
Tranquilo
CD
TRQCD 001 **ID**
House
() VARIOUS
SURF N TWANG FROM DOWN UNDER
Ace
CD
CDWIKD 211 P Surf
() VARIOUS
TECH HOUSE...

12/3,K/6 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08475500 Supplier Number: 72300528 (USE FORMAT 7 FOR FULLTEXT)
'Genre-Less' Combustion Blasts Off With Texan Faulkner, Two Soundtracks.
Stark, Phyllis
Billboard, v113, n12, p34
March 24, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General
Word Count: 672

... Media for public relations. Nashville-based Hot Schatz Public Relations has signed Capitol artist Mindy McCready for **media representation** . Grand Ole Opry star Jimmy C. Newman has signed with Nashville-based MSP Inc. for promotion and...

...playing will be featured on the track "Sugarfoot Rag," a cover of '50s picker Hank Garland's **signature song** , on Asleep at the Wheel's The Very Best of Asleep at the Wheel album, which is...

12/3,K/7 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08017952 Supplier Number: 66675512 (USE FORMAT 7 FOR FULLTEXT)
New audio ID technology throws a tantrum.
TRASK, SIMON
Pro Sound News Europe, v15, n10, p24
Oct, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 188

... popular formats, including MP3, Vorbis, WAV and CD.
eTantrum plans to license commercial use of its Music **ID** Service to the digital **media** industry. According to company co-founder and CEO Jonathon Perrelli, the system begins working when a user...

...preferred media player and loads a song or playlist. eTantrum's Music ID client creates a unique **signature** for the **song** (s) and forwards the **signature** (s) as a request to eTantrum's Song ID Servers. The servers then respond by loading the...

12/3,K/8 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

13035150 SUPPLIER NUMBER: 67410955 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prassi Primo CD Plus.(Software Review)(Evaluation)
Starrett, Robert A.
EMedia Magazine, 13, 6, 69
June, 2000
DOCUMENT TYPE: Evaluation ISSN: 1529-7306 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 1380 LINE COUNT: 00107

... be in them is extensive and useful. Right-clicking on any drive or recorder brings up the **Disc** Explorer and Drive **Properties** window. Here, you can see the following information for the drive you selected: Host and ID number...

...drive make and model, drive type, and firmware version. Disc information displayed is Disc Mode, DAO-TAO, **number** of **tracks** , and megabytes used. There is also a graphical **representation** on the right of a **CD** that shows, in different colors, how much room is left on the disc and whether the disc...

12/3,K/9 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10993780 SUPPLIER NUMBER: 54359263 (USE FORMAT 7 OR 9 FOR FULL TEXT)
microboards' DVD-Video creation kit for windows NT.
Ozer, Jan
EMedia Professional, 12, 4, 35(1)
April, 1999
ISSN: 1090-946X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2032 LINE COUNT: 00169

... t support seamless playback between Titles.
In operation, your first step is to define the Volume, specifying **characteristics** like **disc** type, country **code** , copy protection, and playable region. You can also input "overture" movies or still images and audio that...

...can be a bit confusing. For example, when defining your Title Set, you have to specify the **number** of **audio** **files** and subtitles per Movie. Otherwise, these controls are grayed out in subsequent screens where you actually add...

12/3,K/10 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10480231 SUPPLIER NUMBER: 21133232 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hot 100 Turns 40!
Bronson, Fred
Billboard, v110, n38, p1(1)
Sept 19, 1998
ISSN: 0006-2510 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 6151 LINE COUNT: 00543

... added that week. SoundScan keeps track of record sales by placing scanners in stores that read bar- **code** information. When an **album** is sold, a laser reads the bar code and registers the sale. BDS keeps track of actual airplay by monitoring radio stations. Computers listen for the unique audio " **fingerprint** " of each **song** and register a detection every time a song is played. SoundScan and BDS helped remove the guesswork...

12/3,K/11   (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

01006902 20030709DCW006 (USE FORMAT 7 FOR FULLTEXT)
Relatable Databases of Song Fingerprints from AMG
PR Newswire
Wednesday, July 9, 2003 09:01 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 613

TEXT:
...copyright monitoring
applications.

Under the agreement, Relatable(R) will create databases of its
proprietary
TRM(TM) acoustic **fingerprints** for approximately 5 million CD **track**
titles from
AMG's extensive archive of music CDs. The new commercial variant TRM(TM)
acoustic fingerprints will map to additional music information available in
AMG's databases, including metadata on track title, artist, **album** ,
release
year and various commercial **codes** .

Relatable(R) TRM(TM) acoustic fingerprints are unique identifiers for
music recordings based purely on audio information...